

Instrument	Programmatic interest	Current and needed efforts
<b>Filter SW:</b> MFRSR, Cimel	ARM “workhorse” instruments with multiple highly downloaded retrievals (e.g. AOD, cld retrievals)	<ul style="list-style-type: none"> <li>• MFRSR operational data quality has several problems that are not always caught in manual inspection: Shading/alignment, cosine corrections, Langley calibration</li> <li>• Installing 1625 nm filter in MFRSR</li> <li>• Focus of new DQ efforts</li> <li>• New retrievals/use of Cimel cloudy radiances</li> </ul>
<b>Hyperspectral SW:</b> SASHE/RSS, SASZE	Potentially new constraints on cloud, aerosol, radiation	<ul style="list-style-type: none"> <li>• Calibration!</li> <li>• Data quality still unknown, need to identify good periods of data for researchers to investigate</li> </ul>
<b>Microwave--</b> MWR3C/MWR/MWRP	LWP/PWV key quantities of interest	<ul style="list-style-type: none"> <li>• Bias correction, temperature stability—currently corrections done manually</li> <li>• Rain/condensation on radiometers</li> </ul>
<b>Spectral LW:</b> AERI/ASSIST	Current use to constrain boundary layer T/RH, clouds, trace gasses	<ul style="list-style-type: none"> <li>• Disagreement between AERI/ASSIST</li> </ul>